ROSLIZA BINTI MOHD. SALIM

• KULLIYYAH OF SCIENCE
• IIUM Kuantan Campus
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ACADEMIC QUALIFICATION

• Chemistry
• Chemistry

TEACHING RESPONSIBILITIES

ANALYTICAL CHEMISTRY	2016/2017 2017/2018 2018/2019
BASIC CHEMISTRY	2016/2017
CONCEPTS IN PHYSICS	2015/2016
ENVIRONMENTAL CHEMISTRY	2016/2017 2017/2018 2018/2019 2019/2020
FINAL YEAR PROJECT	2011/2012
GOOD LABORATORY PRACTICE	2017/2018 2018/2019
INDUSTRIAL CATALYSIS	2015/2016 2016/2017 2017/2018 2018/2019 2019/2020 2020/2021
INDUSTRIAL TOXICOLOGY	2011/2012 2012/2013 2013/2014 2019/2020 2020/2021
INDUSTRIAL TRAINING	2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017
INDUSTRIAL TRAINING/INTERNSHIP	2015/2016 2018/2019
INTERNSHIP	2011/2012 2015/2016
ORGANIC CHEMISTRY	2012/2013
PHYSICAL CHEMISTRY I	2013/2014 2014/2015 2015/2016 2019/2020
PHYSICAL CHEMISTRY II	2014/2015 2016/2017 2017/2018 2019/2020 2020/2021
PRACTICAL TRAINING	2011/2012 2012/2013 2013/2014 2014/2015
RESEARCH METHODOLOGY	2017/2018
WASTE MANAGEMENT	2010/2011 2011/2012 2012/2013 2016/2017 2017/2018 2018/2019 2019/2020

WASTE MANAGEMENT AND USAGE 2011/2012

RESEARCH PROJECTS

In Progress

2018 - Present	Preparation, characterization and physicochemical properties of graphene quantum dots - cellulose nanocrystals composites
2018 - Present	Preparation, characterization and physicochemical properties of graphene quantum dots - cellulose nanocrystals composites
2017 - Present	DEVELOPMENT OF ADSORBENT MATERIALS FROM SELECTED LOCAL FRUIT WASTE TO REMOVE LUBRICANT OIL

Completed

2013 - 2015	Studies of Rare Earth Elements (REEs) and Heavy Metals in Sediment and Benthic Organisms along Kuantan River, Pahang
2013 - 2015	Development of Adsorbent Materials from Selected Local Fruit Waste
2012 - 2016	Jackfruit (Artocarpus Heterophyllus)Leaf Powder as Potential Bioadsorbent for Wastewater Treatment
2011 - 2012	KVC Book Project 2011- Sustainable Utilization of Malaysian Agrowaste
2011 - 2016	Preparation, Characterization and Swelling Behaviour of Superabsorbent Hydogels from Pure and Semi-Refined Carragenan Crosslinked with Acrylic Acid
2011 - 2014	(RU2011) Activated carbon from jackfruit (Artocarpus heterophyllus) peel for removal of methylene blue dye in wastewater treatment
2010 - 2012	Synthesis and Characterization of Heteroatom Ligand and Its Metal Complexes
2010 - 2012	Potential of Jackfruit Peels as Biosorbent in Removing Methylene Blue from Aqueous Solution
2010 - 2013	Synthesis and Characterization of Multidentate Chelating Agent and Their Metal Complexes
2010 - 2012	In Vitro Total Antioxidant Capacity of Parkia Speciosa: Comparison of Different Analytical Methods

PUBLICATIONS

Article

2019	Adsorption study on the removal of copper ions from aqueos solution using sodium hydroxide-modified Carica papaya peels. MalaysianJournal of Analytical Sciences , 23 (6) pp.926-937

2019 Extraction and characterization of microfibrillated and nanofibrillated cellulose from office paper waste = Pengekstrakan dan pencirian mikrofibril dan nanofibril selulosa daripada sisa kertas pejabat. Malaysian Journal of Analytical Sciences , 23 (5) pp.901-913

2016 Biosorption of Pb and Cu from aqueous solution using banana peel powder. Desalination and Water Treatment , 57 (1) pp.303-314

2015 Semi-refined K-carrageenan: Part 1. chemical modification of semi-refined K-carrageenan via graft copolymerization method, optimization process and characterization of its superabsorbent hydrogel. Oriental Journal of Chemistry , 31 (2) pp.973-980

Conference or Workshop Item

2017 Adsorption study on the removal of cu ions from aqueous solution using NAOH-modified Carica papaya peels. **In: International Conference of Analytical Sciences (SKAM30)**

2011 Selective oxidation of propane to acrylic acid: effect on Mn loadings onto mixed metal oxide catalyst . **In: The International Conference for Nanomaterials Synthesis and Characterization (INSC 2011)**

Book

Book Section

2011 Bioadsorbent for wastewater treatment from jackfruit (Artocarpus heterophyllus) peel powder. **In: Sustainable utlization of Malaysian agrowaste** IIUM Press . ISBN 9789674180089 , pp.102-123

2011 Natural polymers . **In: Research Methodology in chemistry** IIUM Press . ISBN 978-967-418-202-1 , pp.73-76

2011 Synthetic polymers . **In: Research Methodology in Chemistry** IIUM Press . ISBN 978-967-418-202-1 , pp.77-85

2011 Polymer analysis and characterization. **In: Research Methodology in Chemistry** IIUM Press . ISBN 978-967-418-202-1 , pp.86-90